# EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--------------|-----|------------------|---------|------------|
| L1 | 1 | ("7215610").PN. | US-PGPUB; USPAT | OR | OFF | 2009/12/09 11:57 |
| L2 | 3 | 10/789992 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 12:30 |
| L3 | 2238 | (wobbl$3 meander$3 oscillat$3 dither$3) adj5 (prepit pit) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 12:36 |
| L4 | 47639 | (lead adj2 in (lead-in)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 12:36 |
| L5 | 189 | L3 same L4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 12:36 |
| L6 | 154 | 5 and "369".clas. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 12:36 |
| L8 | 4 | 5 same (shift or move or moving or align or misalign) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 12:44 |
| L9 | 4 | 5 same (shift or move or moving or align or misalign ro displac$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 12:44 |

| L10 | 1 | ("4747609").PN. | US-PGPUB; USPAT | OR | OFF | 2009/12/09 13:17 |
|-----|---|-----------------|-----------------|-----|-----|------------------|
| L11 | 1 | ("4748609").PN. | US-PGPUB; USPAT | OR | OFF | 2009/12/09 13:18 |
| L12 | 1 | ("6603732").PN. | US-PGPUB; USPAT | OR | OFF | 2009/12/09 13:21 |
| L13 | 1 | ("6014348").PN. | US-PGPUB; USPAT | OR | OFF | 2009/12/09 13:24 |
| L14 | 0 | (((shift$4 or move or moving or align or misalign or displac$4) near5 (prepit$2 or pits)) with (track near5 center)) same ((lead adj2 in) or leadin or LIA) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 13:26 |
| L15 | 13 | (((shift$4 or move or moving or align or misalign or displac$4 or away) with (prepit$2 or pits)) with (track or center)) same ((lead adj2 in) or leadin or LIA) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 13:29 |
| L16 | 1 | 13 and "369".clas. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 13:31 |
| L17 | 0 | 15 and "369".clas. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 13:31 |
| L18 | 0 | ((prepit$2 or pits) with (track near5 center)) same ((lead adj2 in) or leadin or LIA) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 13:32 |
| L19 | 82 | ((prepit$2 or pits) with (center)) same ((lead adj2 in) or leadin or LIA) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 13:34 |

| L20 | 0 | ((prepit$2 or pits) with (center or middle)) same ((lead adj2 in) or leadin or LIA) same wobbl$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 13:34 |
|-----|---|---|---|---|---|---|
| L21 | 0 | ((prepit$2 or pits) with (center or middle)) same ((lead adj2 in) or leadin or LIA) and wobbl$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 13:35 |
| L22 | 16 | ((prepit$2 or pits) same wobbl$4) same ((lead adj2 in) or leadin or LIA) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 13:35 |
| L23 | 10 | 22 and "369".clas. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 13:36 |
| L24 | 471 | ((prepit$2 or pits) same wobbl$4) same ((lead adj2 in) or leadin or LIA or lead-in) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 13:36 |
| L25 | 19 | (((shift$4 or move or moving or align or misalign or displac$4 or away) with (prepit$2 or pits)) with (track or center)) same ((lead adj2 in) or leadin or LIA or lead-in) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 13:37 |
| L26 | 5 | 25 and "369".clas. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 13:37 |
| L27 | 13 | ((prepit$2 or pits) with (center or middle)) same ((lead adj2 in) or leadin or LIA or lead-in) same wobbl$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 13:39 |

| L28 | 10 | 27 and "369".clas. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 13:39 |
|---|---|---|---|---|---|---|
| L29 | 90 | ((prepit$2 or pits) with (center or middle)) same ((lead adj2 in) or leadin or LIA or lead-in) and wobbl$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 13:39 |
| L30 | 81 | 29 and "369".clas. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 13:39 |
| L31 | 371 | ((prepit$2 or pits) with wobbl$4) same ((lead adj2 in) or leadin or LIA or lead-in) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 13:41 |
| L32 | 313 | 31 and "369".clas. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 13:41 |
| L33 | 48 | ((prepit$2 or pits) with wobbl$4) same ((lead adj2 in) or leadin or LIA or lead-in) same (track near5 (middle or center)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 13:42 |
| L34 | 31 | 33 and "369".clas. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 13:42 |
| L35 | 156 | ((prepit$2 or pits) with wobbl$4) with ((lead adj2 in) or leadin or LIA or lead-in) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 13:43 |

| L36 | 135 | 35 and "369".clas. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 13:44 |
|-----|-----|--------------------|-----|-----|-----|-----|
| L37 | 242 | (wobbl$4 near5 pits) with (track near5 (middle or center)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 13:49 |
| L38 | 85 | (wobbl$4 near5 pits) with (displac$4 or shift$4 or align$4) with (track near5 (middle or center)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 13:55 |
| L39 | 73 | 38 and "369".clas. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 13:56 |
| L40 | 134 | 36 not 39 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 14:16 |
| L41 | 0 | (wobbl$4 near5 pits) with (track near5 (middle or center)) with nm | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 14:21 |
| L42 | 93 | (wobbl$4 near5 pits) with (track near5 (middle or center)) with (distance or amount or pitch) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 14:22 |
| L43 | 88 | 42 and "369".clas. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 14:22 |
| L44 | 165 | (369/47.54).CCLS. | US-PGPUB; USPAT | OR | OFF | 2009/12/09 15:22 |
| L45 | 2498 | (369/275.3).CCLS. | US-PGPUB; USPAT | OR | OFF | 2009/12/09 15:22 |

| L46 | 2238 | (wobbl$3 meander$3 oscillat$3 dither$3) adj5 (prepit pit) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 15:22 |
|-----|------|-----|-----|-----|-----|-----|
| L47 | 47639 | (lead adj2 in (lead-in)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 15:22 |
| L48 | 189 | L46 same L47 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 15:22 |
| L49 | 2642 | L44 L45 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 15:22 |
| L50 | 57 | L48 and L49 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/12/09 15:22 |
| S1 | 1 | ("7215610").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 11:10 |
| S2 | 163 | (369/47.54).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 12:20 |
| S3 | 2288 | (369/275.3).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 12:34 |
| S4 | 2057 | (wobbl$3 meander$3 oscillat$3 dither$3) adj5 (prepit pit) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/03 12:35 |
| S5 | 45249 | (lead adj2 in (lead-in)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/03 12:42 |

| S6 | 157 | S4 same S5 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/03 12:42 |
|---|---|---|---|---|---|---|
| S7 | 2430 | S2 S3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/03 12:42 |
| S8 | 41 | S6 and S7 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/03 12:42 |
| S9 | 1 | 10/789992 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/03 12:46 |
| S10 | 1 | ("20010007545").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:16 |
| S11 | 1 | ("20010014077").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:16 |
| S12 | 1 | ("20010038603").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:16 |
| S13 | 1 | ("20020001274").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:16 |
| S14 | 1 | ("20020021635").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:17 |
| S15 | 1 | ("20020024898").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:17 |
| S16 | 1 | ("20020024914").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:17 |
| S17 | 1 | ("20020027855").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:17 |
| S18 | 1 | ("20020110067").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:18 |
| S19 | 0 | ("2003002427").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:18 |
| S20 | 1 | ("20030002427").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:18 |
| S21 | 1 | ("20030002430").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:18 |

| S22 | 1 | ("20030012098").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:18 |
| S23 | 1 | ("20030067849").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:19 |
| S24 | 1 | ("20030112736").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:19 |
| S25 | 1 | ("20050112736").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:19 |
| S26 | 1 | ("5513260").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:19 |
| S27 | 1 | ("5538773").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:19 |
| S28 | 1 | ("5572507").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:20 |
| S29 | 1 | ("5706047").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:20 |
| S30 | 1 | ("5737286").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:20 |
| S31 | 1 | ("5706268").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:20 |
| S32 | 1 | ("5936933").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:20 |
| S33 | 1 | ("5940364").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:21 |
| S34 | 1 | ("6070799").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:21 |
| S35 | 1 | ("6081785").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:21 |
| S36 | 1 | ("6128272").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:21 |
| S37 | 1 | ("6144625").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:22 |
| S38 | 1 | ("6266299").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:22 |
| S39 | 1 | ("6353890").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:22 |
| S40 | 1 | ("6532206").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:22 |
| S41 | 1 | ("6546490").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:22 |
| S42 | 1 | ("6603720").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:22 |
| S43 | 1 | ("6608804").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:22 |
| S44 | 1 | ("6671249").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:23 |

| S45 | 1 | ("6694023").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:23 |
| S46 | 1 | ("6707774").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:23 |
| S47 | 1 | ("7012859").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:23 |
| S48 | 1 | ("7014815").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:23 |
| S49 | 1 | ("7028011").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:24 |
| S50 | 1 | ("7035172").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:24 |
| S51 | 1 | ("7050383").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:24 |
| S52 | 1 | ("7061850").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:24 |
| S53 | 1 | ("7215610").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:24 |
| S54 | 1 | ("7302588").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:25 |
| S55 | 1 | ("5706047").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:25 |
| S56 | 1 | ("6070799").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:25 |
| S57 | 1 | ("6694023").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:25 |
| S58 | 1 | ("7035172").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:26 |
| S59 | 1 | ("7050383").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:26 |
| S60 | 1 | ("7050383").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:26 |
| S61 | 1 | ("7061850").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:26 |
| S62 | 1 | ("7302588").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:26 |
| S63 | 1 | ("20030048705").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:27 |
| S64 | 1 | ("6560152").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:37 |
| S65 | 1 | ("6560182").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 15:37 |
| S66 | 1 | ("20010006575").PN. | US-PGPUB; USPAT | OR | OFF | 2008/12/03 19:47 |

| S67 | 2144 | (wobbl$3 meander$3 oscillat$3 dither$3) adj5 (prepit pit) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/06/26 11:11 |
|-----|------|------|------|------|------|------|
| S68 | 46597 | (lead adj2 in (lead-in)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/06/26 11:11 |
| S69 | 167 | S67 same S68 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/06/26 11:11 |
| S70 | 163 | (369/47.54).CCLS. | US-PGPUB; USPAT | OR | OFF | 2009/06/26 11:12 |
| S71 | 2406 | (369/275.3).CCLS. | US-PGPUB; USPAT | OR | OFF | 2009/06/26 11:12 |
| S72 | 2548 | S70 S71 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/06/26 11:12 |
| S73 | 45 | S69 and S72 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/06/26 11:12 |
| S74 | 1 | ("5051998").PN. | US-PGPUB; USPAT | OR | OFF | 2009/06/26 12:35 |
| S75 | 1 | ("7280461").PN. | US-PGPUB; USPAT | OR | OFF | 2009/06/26 12:35 |
| S76 | 1 | ("20050111315").PN. | US-PGPUB; USPAT | OR | OFF | 2009/06/26 12:35 |
| S77 | 1 | ("4907216").PN. | US-PGPUB; USPAT | OR | OFF | 2009/06/26 12:36 |
| S78 | 1 | ("6535477").PN. | US-PGPUB; USPAT | OR | OFF | 2009/06/26 12:36 |
| S79 | 1 | ("6549498").PN. | US-PGPUB; USPAT | OR | OFF | 2009/06/26 12:36 |
| S80 | 1 | ("6580678").PN. | US-PGPUB; USPAT | OR | OFF | 2009/06/26 12:37 |
| S81 | 1 | ("6707785").PN. | US-PGPUB; USPAT | OR | OFF | 2009/06/26 12:37 |

**12/ 9/ 2009 3:32:05 PM**
**C:\ Documents and Settings\ talunkal\ My Documents\ EAST\ Workspaces\ 10-789992.wsp**